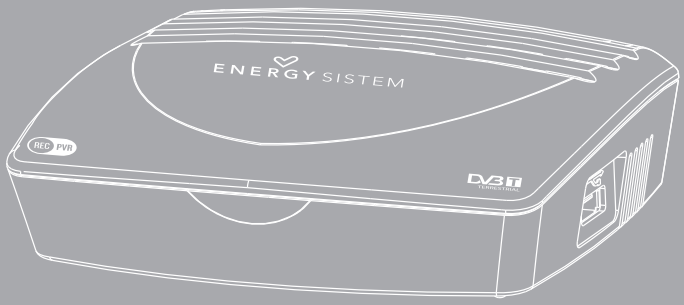


User manual

I. INTRODUCTION

Thank you for purchasing this Energy™ T3300. First of all, welcome to the Energy DVB-T receivers world. The following sections provide an overview of your new device and its basics features. Please read everything carefully before start using the product.

2. IMPORTANT SAFETY INSTRUCTIONS

To ensure your safety and the safety of others, please ensure that you read all the safety information before operating this product.

Keep this information in a safe place for future reference.

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

SAFETY CONSIDERATIONS.

- Position the cables so that they cannot be walked on or pinched by items placed on or against them.
- Do not remove the cover or back. There are no user-serviceable parts inside. Refer servicing to qualified personnel.
- Do not expose your T3300 to water (dripping or splashing).
- No objects filled with liquids, such as vases, should be placed on the unit.
- Keep the product away from direct sunlight and heat source such as radiators or stoves.
- Do not place the product on unstable cart, stand, tripod, bracket or table. The unit may fall, resulting in possible damage or injury.
- Do not let the device drop or shock.
- We recommend you to unplug the power from the outlet when the unit is not in use.

VENTILATION

The slots and openings on the set top box are for ventilation. Do not cover or block them as it may cause overheating.

NEVER let children push anything into the holes or slots on the case.

SERVICING

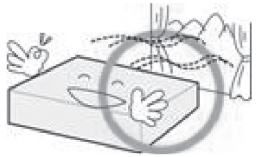
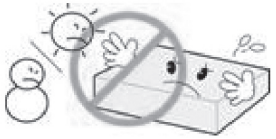
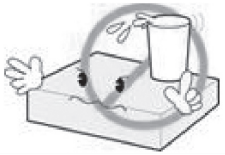
There are no user serviceable parts in this set top box.

BATTERY DISPOSAL

Please ensure batteries are disposed of safely.
Never dispose of batteries in a fire or with other household waste.
Check with your local authority for disposal regulations.

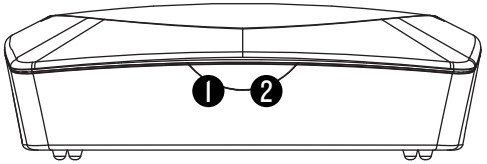
CLEANING

ALWAYS unplug the set top box before you clean it.
Do not use liquid or aerosol cleaners.
Clean the set top box with a soft, damp (not wet) cloth.

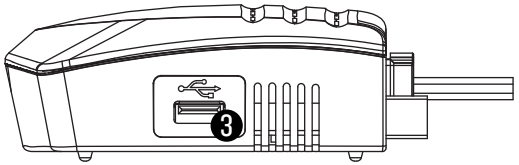
T3300 HANDLING AND CARE	
Place the product in a well-ventilated area	Don't install it in the cold or under direct sunlight
	
Leave a minimum 10cm gap all around the product	Do not disassemble, repair, or reorganize the product
Don't place cups with water or other liquids on the top of the product	Don't place objects on the top of the product
	

3. GENERAL VIEW

3.1. FRONT PANEL

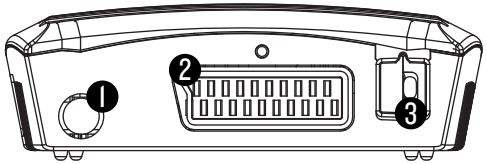


1. **STANDBY INDICATOR:** Used to visually show the power state of the set top box: green LED will show if is turned on the set top box and red LED will be light if the set top box entered standby mode.
2. **REMOTE CONTROL SENSOR:** Used to receive the signal from the remote control.



3. **USB CONNECTOR:** Used to connect to an external USB device.

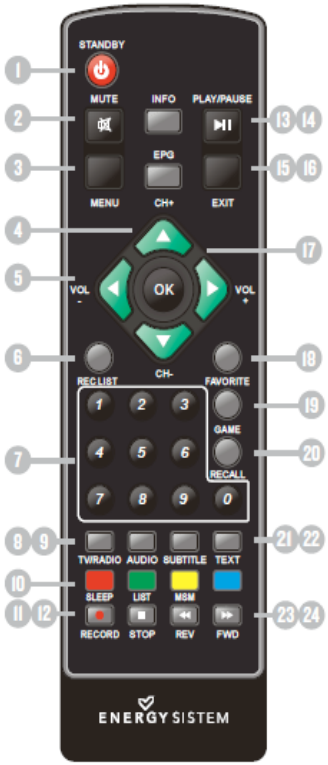
3.2. REAR PANEL



1. RF IN: This socket connects to your external aerial.
2. TV SCART: This socket connects to your TV.
3. MAINS CABLE: This is used to connect to your main power supply.

4. REMOTE CONTROL

4.1. BUTTON DESCRIPTIONS



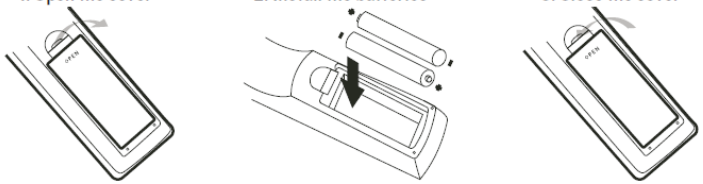
NOTE: SUBTITLES/TEXT/AUDIO may not be available for all channels.

1. **STANDBY:** Switch the set top box between on and standby mode.
2. **MUTE:** Mute/unmute the sound.
3. **MENU:** Open the main menu window.
4. **CH+/-:** Move around the menu screens or change the channels in normal play mode.
5. **VOL+/-:** Move around the menu screens or change the volume in normal play mode.
6. **RECLIST:** Show the recorded programs list.
7. **NUMBER KEYS:** Select channel numbers or input numbers in menus.
8. **TV/RADIO:** Switch between TV channels and Radio station
9. **AUDIO:** Select the available audio track or set the sound mode as LR(stereo), LL(left), RR(right).
10. **COLOR KEYS (RED/GREEN/YELLOW/BLUE):** Operate different functions in TEXT screen or other menus.
    RED: SLEEP function (adjustable timer).
    GREEN: LIST function.
    YELLOW: MSM – Multi Screen Mosaic.
11. **RECORD:** Record the program manually.
12. **STOP:** Stop the current recording if exists or stop the playback and return to DTV mode.
13. **INFO:** Display information about the channel being viewed or further information about the program when in normal play mode.
14. **PLAY/PAUSE:** Pause or playback the program being viewed.
15. **EPG:** Display information about the program being viewed and what's on next.
16. **EXIT:** Return to the previous screen or menu.
17. **OK:** Confirm a selection within a menu.
18. **FAVORITE:** Access your favourite channels.
19. **GAME:** Select an accessory: Gomoku, Calendar or Calculator.
20. **RECALL:** Switch between the last two viewed channels.
21. **SUBTITLE:** Switch among different subtitles that are broadcasted.
22. **TEXT:** Display teletext (if available in the broadcasted stream).
23. **REV:** Fast backward at selectable speeds.
24. **FWD:** Fast forward at selectable speeds.

4.2. INSTALLING THE BATTERIES

Remove the battery cover from the remote control and put 2xAAA size batteries inside the compartment.
The diagram shows the correct way to install the batteries inside the battery compartment.

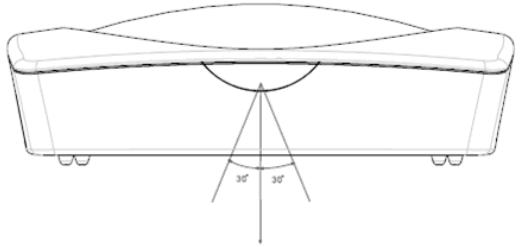
1. Open the cover
2. Install the batteries
3. Close the cover



- Keep batteries out of reach of children. If someone swallows a coin cell or battery must receive immediate medical attention.
- Do not attempt to reactivate the batteries using heat, loading, or by other means. Never dispose of batteries in fire, or disassemble or short circuit. Replace batteries at least once a year to avoid spillage.
- Replace both batteries at the same time and replace them with the same type.
- When not using the remote control for a long time, remove the batteries.

4.3. USING THE REMOTE CONTROL

To use the remote control point it towards the front of the digital set top box.
The remote control has a range of up to 7 metres from the set top box at an angle of up to 60 degrees.

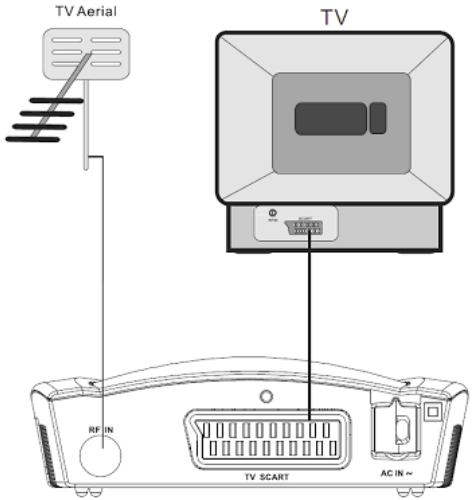


The remote control will not operate if its path is blocked.
Sunlight or very bright light will decrease the sensitivity of the remote control.

5. CONNECTIONS

CAUTION: Make sure to check that the voltage of the wall outlet has the same rating than the receiver.
To prevent the risk of electric shock, do not open the cover or the back of the receiver.

5.1. CONNECTING TO A TV SET



When connecting the receiver to other equipment (e.g. TV, VCR and amplifier) make sure to refer to relevant user manual for instruction. Also, make sure you disconnect all the equipments from the mains supply before the connection.

6. USER INTERFACE - MAIN MENU

Note that the first time you use T3300 it will automatically show the Setup->Installation screen in order to scan for TV and radio channels. Please refer to Setup->Installation in page 10.
Once the channel scan is finished and all the channels are stored into the database, you can start to watch the digital terrestrial TV channel or listen to the radio broadcast, some typical operations are given in this chapter.
Press <Menu> to enter Main Menu. See Figure 1.
Press <Info> to display T3300 version information.

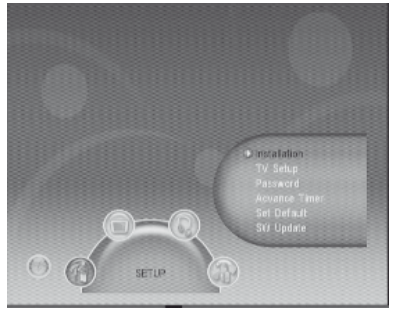


Figure 1. Main Menu - Setup

6.I. SETUP

Set the system settings. See Figure I.

6.I.I. Installation

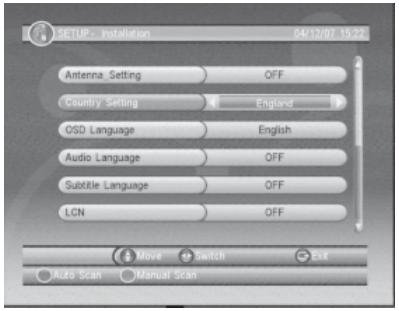


Figure 2. SETUP - Installation.

Figure 3. SETUP - Installation (continued)

Set the receiving and playing program settings of T3300. See Figure 2, Figure 3.

Antenna Setting

Set the antenna power on or off to supply +5V power to antenna or not.
Note: The default is OFF, set this option to ON only if T3300 is connected to an active antenna which amplifies the received RF signal, otherwise please set it to OFF.

Country Setting

Set the country for Auto Scan, Manual Scan and Time Zone.
Note: Change the Country Setting will automatically change the default Time Zone and set the default Frequency and Bandwidth for Auto Scan.

OSD Language

Set the On Screen Display Language.

Audio Language

Set the audio language for watching a program (availability depends on channel broadcaster).

Subtitle Language

Set the language for displaying subtitle program (availability depends on channel broadcaster).

LCN

Set the Logical Channel Number to ON or OFF.
Note: LCN is a number that uniquely identifies a logical channel, which is popular in some European countries such as England or France.

Auto Time Zone / Time Zone

Allows you to enable or disable auto time zone update. If you know the GMT (Greenwich Mean Time) time zone offset of your location, set the Auto Time Zone to OFF and select an appropriate Time Zone, otherwise set it to ON and let the system update the time zone automatically according to the transport stream. See Figure 3.
Note: Some Countries are covered with more than one Time Zone.

Auto Scan

Auto Scan will erase the database first, and scan default frequency and bandwidth by Country Setting.
Press <RED> button to start Auto Scan.
Press <OK> button to confirm clear action and start Auto Scan.
It costs time to do Auto Scan, you can press <Exit> button to exit at anytime. See Figure 4, Figure 5.

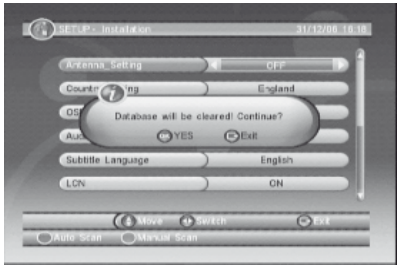


Figure 4. Clear database message.

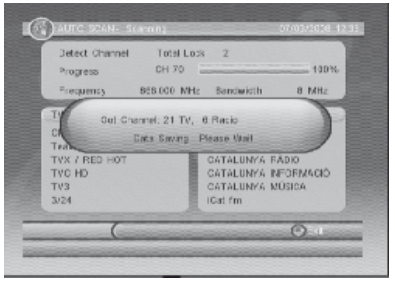


Figure 5. Auto Scan Finished.

Manual Scan

Press <GREEN> button to start Manual Scan.
Manual Scan adds the scanning results into database, it doesn't erase the database. But you have to indicate the Frequency and Bandwidth for scanning. If you scan the same Frequency and Bandwidth more than once, the previous programs will be overwritten.
Press <GREEN> button to enter Manual Scan Page.
Press <Up/Down> button to select Frequency option.
Press <0~9> button to input the Frequency value.
Press <Up/Down> button to select Bandwidth option.
Press <Left/Right> button to set Bandwidth value.
Press <OK/Exit> button to start scan or exit. See Figure 6, Figure 7.

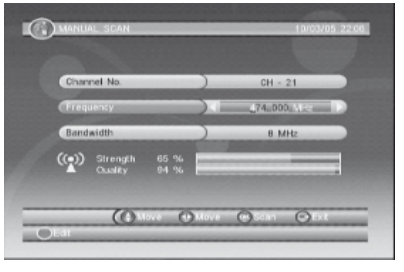


Figure 6. Manual Scan edit.

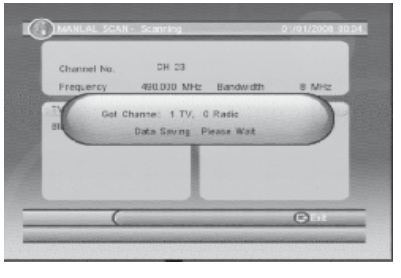


Figure 7. Manual Scan finished

6.1.2. TV Setup

Setup the display mode for TV. See Figure 8.

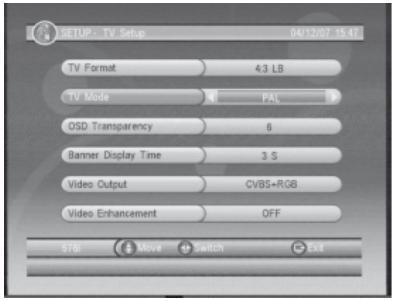


Figure 8. TV Setup.

TV Format

- 4:3LB (LetterBox): Typically for wide screen content on conventional 4:3 TV with black bars above and below the picture.
- 4:3PS (PanScan): Typically for wide screen content on conventional 4:3 TV with left and right edges cropped.
- 16:9PB (PillarBox)/16:9 AUTO: Typically for wide screen 16:9 TV.

TV Mode

Set PAL, NTSC or AUTO for display. AUTO will switch PAL or NTSC by program content. This setting should be matched with user's TV.

OSD Transparency

Set the On Screen Display transparency. "1" is the most transparent.

Banner Display Time

Set Banner display time. Banner does not automatically disappear when set as "Always" and disappears at timeout when set to other values.

Video Output

Set the video output mode to TV: RGB or CVBS.

Video Enhancement

Set the Video Enhancement. See Figure 9.
Press <Up/Down> button to select Video Enhancement option.
Press <Left/Right> button to set Video Enhancement.
Press <Up/Down> button to select Flesh Tone or Black/White Expansion.
Press <Left/Right> button to set Flesh Tone and Black/White Expansion.

Figure 9. Video Enhancement.

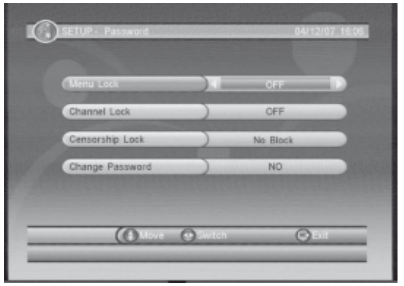


Figure 10. Password page

6.1.3. Password

Set password for menu, channel or censorship lock. And the user can change password here, the default Password is 6666. See Figure 10.

Menu Lock

Password-lock the menus.

Channel Lock

Lock the channel which has been set to lock status when turning on the Channel Lock. Please see section “Lock” on page 17 for details.

Censorship Lock

Lock the program by password and censorship threshold. The censorship info is in program content. Under the censorship rating, user has to enter the right password for watching program.

Change Password

To change the Password, select this option, press <Left/Right> button to trigger changing password and <0~9> buttons to enter old password, new password and confirm new password. If succeed, the Password Changed message will be displayed, otherwise the Password Error message will be displayed.

6.1.4. Advance Timer

User can set timer for watching the program by date and time manually or from the TV/ Radio Guide(see section “Guide” on page 18). When scheduled date/time arrives, T3300 will automatically switch to the scheduled program. Press any key except <Vol-/Vol+/Mute> button, T3300 will ask you to abort it or not when watching booked program. You can delete the event while it is not running.

6.1.5. Set Default

Restore T3300 to factory default settings. All user settings will be restored to factory default values and the TV/radio channel database will be erased together.

6.1.6. SW Update

Updates T3300 firmware by USB.

6.2. TV/RADIO

There are two types of programs: TV and Radio.

The operation of the List and Guide of TV and Radio are almost the same. Herein take TV as an example.

6.2.1. List

Figure 11. TV List

There are several options to manage channels:

Favorites

User can quickly arrange the favourite programs by favourite filter. There are 8 groups of favourite channels: News, Sport, Movie, Music, Shopping, Travel, Boy and Girl. Press <1-8> button to set or clear the favourite group when Favorites option is selected.

Lock

Lock will ask for the password before watching this program when Setup -> Password ->Channel Lock is turned on. Please see section “Channel Lock” on page 16 for details. Press <OK> button to set or clear lock status when Lock option is selected.

Edit

You can edit the program name, maximum length is 20 characters.

Press <Left/Right> button to select Edit option and <Up/Down> button to select the program. Press <OK> button to display program info and press it again to edit program name.

Press <Up/Down/Left/Right/0~9/RED/GREEN> button to select the character.
Press <OK> button to finish the editing and return to previous program info page.
Press <RED> button to save the editing and return to List or press <Exit> button to return to List without saving.

Move

Move will allow you to move the position of the channels in the list.
Note: This option will not appear when SETUP->Installation->LCN is set to ON.

Sort

Sort will allow you to sort the channels by A<->Z or Pay<->Free.
Note: This option will not appear when SETUP->Installation->LCN is set to ON.

Skip

Skip will skip the program when changing a program by CH+/-. Press <OK> button to set or clear skip status when Skip option is selected.

Delete

Delete will delete the program permanently from the database. You must rescan to recover it.
Press <OK/GREEN> button to set delete one or delete all when Delete option is selected.

Search

User can search the program name by partial keyword.
Press <Left/Right> button to select Search option.
Press <OK> button to entry search page.
Press <Up/Down/Left/Right/OK/0~9/RED/GREEN> button to input keyword.
Press <OK> button to Search and return List. The matched program will be focused.
Press <GREEN/YELLOW> button to the next or previous matched program.

6.2.2. Guide

Guide is also known as EPG (Electronic Program Guide). See Figure I2, Figure I3.
Press <Up/Down> button to select program or EPG event.
Press <Left/Right> button to change event or date.
Press <OK> button to exit all the menus or show the detailed information of a selected event (availability depends on channel broadcaster).
Press <Exit> button to exit to previous menu.
Press <RED> button to enter Book page and <OK> button to save after edition. If it's in conflict with itself or other event, a conflict message will be displayed. The successful booking will be added to Main Menu-> Setup-> Advanced Timer(see section 6.1.4 on page 16).

Figure I2. Guide - Event

Figure I3. Guide - Event (detail).

6.3. MULTIMEDIA

Multimedia must be used with external USB device inserted, otherwise the "Device is not ready!" message will be displayed. If you remove the USB device a "Device is removed!" message will be shown and the system will return to Main Menu.

6.3.I. My Album

Use this option to view JPEG/BMP/GIF files. If there are photos in the device root folder it will start in Thumbnail mode, otherwise it will start in Folder mode. Press <Blue> button to switch to Folder mode and <Exit> button to return to Thumbnail mode again.

The info (width x height and date) of selected photo will be displayed at the left bottom in Thumbnail mode and right up in Folder mode. See Figure 14,Figure 15.

Figure 14. My Album - Thumbnails

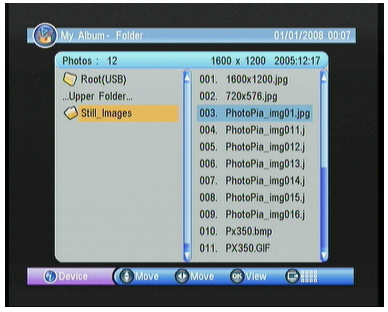


Figure 15. My Album - Folder

Use <Up/Down/Right/OK> to browse folders or files.
Press <OK> to view the selected photo and press again to start slide show.
Press <Info> to view the available functions.

Zoom

Press <RED> to zoom in / zoom out the photo in view mode. The zoom factor can be:25-50-100-150-200 %
If zoom factor is greater than 100% you can use <Up/Down/Left/Right> to move through the zoomed picture.

Rotation

Press <Left/Right> to rotate clock/counter clockwise and <Yellow/Blue> to flip horizontal or vertical direction.

Slide show

Press <OK> to view the photo in Thumbnail or Folder mode and press it again to start the slide show.
Press <Red> to play/pause the slide show.
Press <Green> to set background music while slide show is running.
Press <Yellow> to switch between repeating modes.
Press <Blue> to set the time gap between photos.
Press <Up/Down> to manually select the previous/next photo.

6.3.2. My Music

Use this option to listen to MP3/WMA files.
The music jukebox display includes (see Figure 16, Figure 17):

- Progress bar with elapsed and total playing time.
- Audio spectrum visualizer.

Press <Up/Down/Left/Right/OK> to browse folders and files.
Press <RED> to play or pause.
Press <GREEN> to stop.
Press <YELLOW> to set play mode as Repeat All / Repeat Random / Repeat Off.
Press <BLUE> to set fast forward speed as x2 / x3 / x4 / normal.
Press <Left/Right/Mute> button to adjust volume while playing.

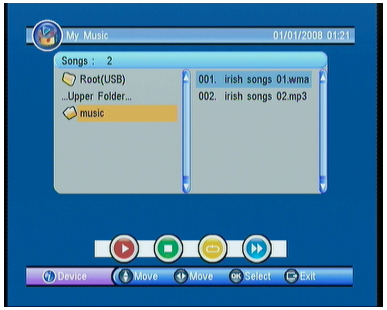


Figure 16. My Music - Browser.

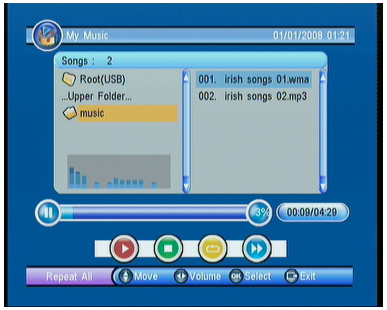


Figure 17. My Music - Play

6.3.3. My Movie

My Movie can play MPEG2, DivX, Xvid standard-resolution files.*
It displays the playing file name at the top left corner and use the INFO key to get the current playing time and total time information while playing. See Figure 18, Figure 19.
Press INFO button to select device if an external USB hub connected while browsing, and to show the control info bar while playing.
Press <UP/DOWN/LEFT/RIGHT/OK> to select folders and files during browsing
Press <OK> button to select a file to play.
Press <RED> button to play or pause while playing.
Press <GREEN> button to play the frame one by one while playing.
Press <YELLOW> button to set fast backward speed as x2,x4,x8,x16,x32, normal.

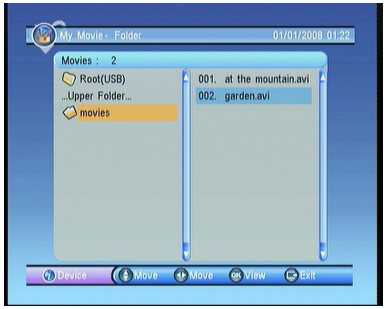


Figure 18. My Movie - Browser

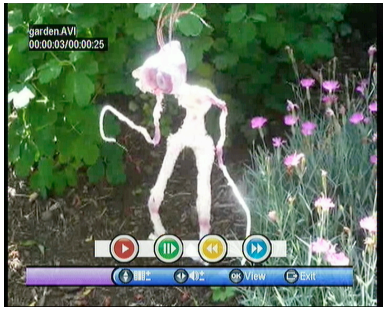


Figure 19. My Movie - Play

* Multimedia files compatibility depends on container file format and audio / video codec.

6.3.4. My Record

Within My Record you can view the programs already recorded and configure recording options.
Note: the external storage device file system must be FAT or FAT32.

Recorded List

View or delete recorded programs.

Recording Device

Select the storage device and partition where the recordings will be stored.

Recording Preference

- Time Shift Size
  Note that Time Shift Size is calculated automatically according to the current storage device or partition and cannot be modified.
- Time Shift
  Use the TimeShift option to review the program while recoding is in progress. You can use REV or FWD to select the recorded segment you want to watch ore review, while the recording process continues its normal course.
  Pause: Timeshift starts when <Pause> button is pressed.
  Auto: Timeshift is continuously active.
  Off: Timeshift disabled

- One Button recording
  On: T3300 starts recording with a simple <Record> button press.
  Off: After pushing <Record> you have to specify the length of the recording.
- Default recording period
  Specify the default recording period from 15 minutes to 8 hours in 15-minutes steps.

Figure 20. My Record.

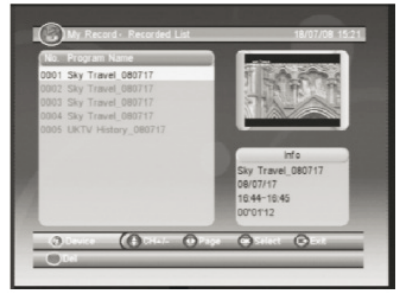


Figure 21.Recorded programs list

Figure 22. Recording Device.

Figure 23. Recording Preferences

6.4. ACCESSORY

There are three options: Gomoku, Calendar, Calculator.

6.4.1. Gomoku

Press <Up/Down/Left/Right> button to set play mode and difficulty. Press <OK> button to start play Gomoku.
Press <Up/Down/Left/Right> button to select the position. Press <OK> button to place the piece.

6.4.2. Calendar

Displays the year, month and day.

6.4.3. Calculator

For mathematical calculations.

7. NORMAL PLAYBACK

Normal Playblack means T3300 under watching TV or listening to the Radio. See Figure 24, Figure 25.

Figure 24. TV.

Figure 25. Radio.

7.1. INFORMATION

1. Press <Info> button once to display info banner. Banner displays the program No., favorite setting, current time, program name, now and next event, lock, scramble, subtitle and teletext info. See Figure 26.
2. Press <Info> button when banner exists to display detailed info of a present event
3. Press <Info> button when detail exist to display current program info. See Figure 27.

Figure 26. Information banner.

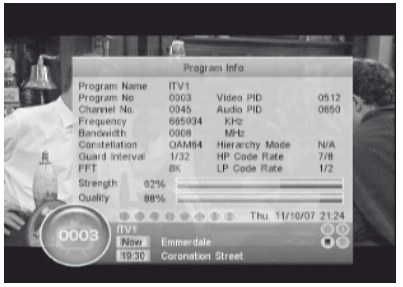


Figure 27. Program Info.

7.2. SWITCH PROGRAM

- User can switch program by <CH+/-> or input channel number directly. If the input program number doesn't exist, T3300 will ignore the input.
- Press <Recall> button to switch to the last watched channel from the current program.

7.3. VOLUME

Press <Vol-/Vol+> button to adjust the volume. Press <Mute> button to mute.
If you adjust the volume while on mute, mute will be cancelled.

7.4. PROGRAM LIST

- Press <OK> button to display Program List with No., name and lock/scramble/skip status. See Figure 28.
- Press <Up/Down/Left/Right> to change the channel. Press <OK/Exit> to return to the normal play mode.

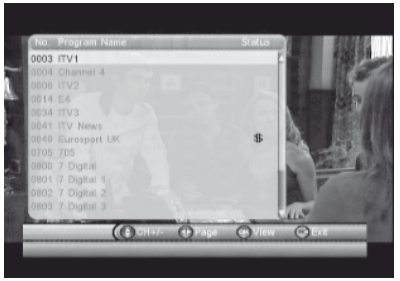


Figure 28. Program List.

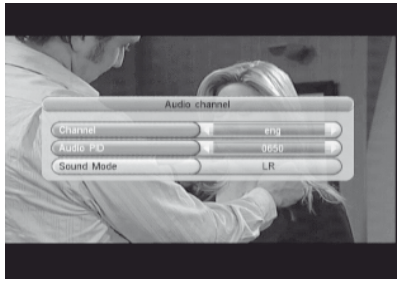


Figure 29. Audio Channels

7.5. AUDIO

Switch the sound channel and switch sound mode to LR(stereo) or LL(left) or RR(right). If setting audio language at Setup->Installation->Audio Language, the audio channel default language will be chosen by setting. See Figure 29. Press <Audio> button to display the audio channel page.

- Press <Up/Down> button to select Channel/Audio PID or Sound Mode option.
- Press <Left/Right> button to set the value.

7.6. PAUSE

Pause video and audio. It will be cancelled by any input key.

7.7. FAVORITES

User can switch the favourite programs in the same favourite group. About favourites settings, see section "Favorites" on page 17 for details.

- Press <YELLOW> button to switch to the favourite group in Program list.
- Press <CH +/-> button to switch to the same favourite program in normal play mode.

7.8. TELETEXT

Display teletext on screen, the style of teletext may be different by content provider. See Figure 30, Figure 31.

- Press <Text> button to display the teletext setting page.
- Press <Up/Down> button to select the teletext language if the program has teletext (availability depends on channel broadcaster).
- Press <OK/Exit> button to exit the teletext setting page.

- Press <0~9/Up/Down/Left/Right> button to change teletext page (if available).

Figure 30. Teletext settings.

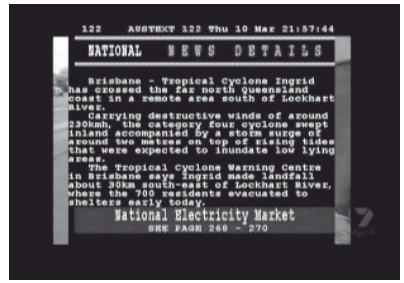

122 ABCTEXT 122 Thu 10 Mar 21:57:44
NATIONAL NEWS DETAILS
Brisbane - Tropical Cyclone Ingrid has crossed the far north Queensland coast in a remote area south of Lockhart River.
Carrying destructive winds of around 230kmh, the category four cyclone swept inland accompanied by a storm surge of around two metres on top of rising tides that were expected to inundate low lying areas.
The Tropical Cyclone Warning Centre in Brisbane says Ingrid made landfall about 30km south-east of Lockhart River, where the 700 residents evacuated to shelters early today.
National Electricity Market
SEE PAGE 260 - 270

Figure 31. Teletext.

7.9. SUBTITLES

Display subtitles on screen. The style of subtitles may be different by content provider (availability depends on channel broadcaster). See Figure 32, Figure 33.

- Press <Subtitle> button to display subtitle setting page.
- Press <Up/Down> button to select subtitle language, if subtitles are available.
- Press <OK/Exit> button to exit subtitle setting page.

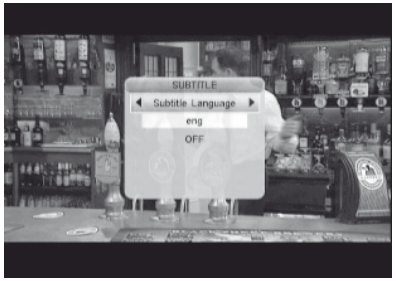


Figure 32. Subtitle settings.

Figure 33. Subtitles

7.10. TELETEXT SUBTITLE

Display subtitle by teletext, the style of the teletext subtitle may be different by content provider (availability depends on channel broadcaster). See Figure 34, Figure 35.

- Press <Text/Subtitle> button to display teletext or subtitle setting page.
- Press <Left/Right> button to select “TTX Subtitle”.
- Press <Up/Down> button to select teletext subtitle language.
- Press <OK/Exit> button to exit the setting page.

Figure 34. Teletext language

Figure 35. Teletext subtitles.

7.11. GUIDE

- Press <GUIDE> button at normal play state, see section “Guide” on page 18 for details.

7.12. LIST

- Press <GREEN> button at normal play state, see section “List” on page 17 for details.

7.13. MSM : MULTI SCREEN MOSAIC – EASY ZAPPING

MSM (MultiScreen Mosaic) can display 9 programs on screen at the same time. The highlighted program is playing and the other channels will display a snapshot. See Figure 36. Press <YELLOW> button to display MSM.

- Press <Up/Down/Left/Right> button to browse program.
- Press <OK> button to switch program and watch it.
- Press <Exit> button to return normal play mode.

Figure 36. MultiScreen Mosaic

7.14. MESSAGES

There are some messages to inform user the current status of the T3300.

- No Signal: If T3300 can’t get the signal, for example if the antenna cable is disconnected.
- No Service: Program doesn’t have any contents to play.
- Encoded Service: Program is encoded for payment, you need to contact with the content provider to know how to decode it.
- Antenna Overload: The power of antenna is overloaded.
- HDTV Not Support: If the program content is HDTV format, T3300 doesn’t support it.
- Channel Locked: Program is locked by setting lock (see section “Lock” on page 17) and turning on channel lock in password setting (see section “Channel Lock” on page 16). You must input the correct password to watch the channel. See Figure 37..

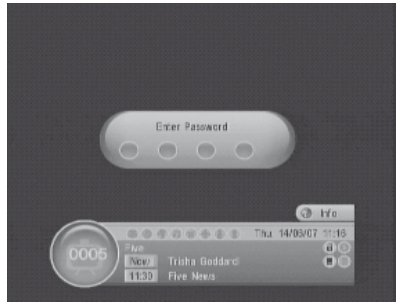


Figure 37. Password-locked channel

8. TROUBLESHOOTING

If you experience problems with this receiver or its installation, in the first instance please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Standby LED not lit	Mains lead unplugged	Check mains lead
No signal found	Aerial is disconnected	Check aerial lead
	Aerial is damaged/misaligned	Check aerial
	Out of digital signal area	Check with dealer
No picture or sound	SCART not connected	Check the SCART cable connexion
	Tuned to digital teletext channel	Change to another channel
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
Forgotten channel lock code		Re-install channels to cancel channel lock
No response to remote control	Receiver off	Plug in and turn on receiver
	Remote control batteries are inserted incorrectly	Check batteries direction
	Front panel obstructed	Check for obstructions
	Remote control batteries exhausted	Replace remote control batteries
After moving the device to another room can't receive the digital signal	The aerial feed may come through a distribution system which may reduce the digital signal	Try a direct feed from antenna
With my device I can see properly most of the channels, but there are some specific channels that I can not tune	You are trying to tune a channel broadcasting in high definition (HD)	Your T3300 has a built in TV channels tuner that displays only the SD channels. When trying to tune a channel in HD, the screen will display only the channel information on a black background. In some cases, you can also hear the audio. Change to another channel.
	You are trying to tune to a scrambled channel	The channel is only available to subscribers. A scrambled channel requires a decoder to be viewed with prior authorization and payment. Change to another channel.

9. SPECIFICATIONS

Item	Specification	
Tuner	Frequency Range	VHF: 174MHz to 230MHz UHF: 470MHz to 862MHz
	Input Impedance	75 Ohms unbalanced
	Signal Input Level	-78 ~ -25 dBm
	Bandwidth	7 / 8 MHz
Demodulation	Demodulator	COFDM
	OFDM Modulation	2K, 8K FFT, SFN and MFN
	Packet Carries	2K / 8K
	Guard Interval	1/4, 1/8, 1/16, 1/32
Connectors	RF IN	IEC 169-2 female connector
	TV SCART	Composite video (CVBS), RGB, audio L/R
	USB JACK	For file playback or software upgrade. Also for recording DVB-T channels in MPEG-2.
Power	Input	100-240V ~ 50/60Hz
	Consumption	8W max / Standby < 1W.
Display	TV mode	PAL, NTSC
	Resolution	720x576 (PAL); 720x480 (NTSC)
	Aspect Ratio	4:3 (Letterbox, Pan &Scan), 16:9
Decoding	Video	MPEG2 Transport MP@ML
	Audio	MPEG2 Audio Layer I&II
Others	Compliance	ETSI EN 300 744 DVB-T Compliance
	Sound Mode	Right, Left, Stereo
Multimedia files playback (in FAT/FAT32 format)	Video (DivX, Xvid, AVI, MPG), music (MP3, WMA) and photos (JPEG, BMP, GIF).	

10. WARRANTY

Energy Sistem Soyntec S.A. warrants its products to be free from defects in materials and workmanship at the time of purchase.

The warranty period is 36 months from the date of purchase for your DVB-T receiver.

11. WARRANTY PROCEDURE

Visit the Support section at http://support.energysistem.com and select your product to view the FAQ (Frequently Asked Questions). The solution to your problem is very likely to have been already published there. You will also be able to download user manuals, user guides, drivers and updates.

If you cannot find an appropriate solution in the Support section, you may send us your enquiry or warranty service request by email: support@energysistem.com
Alternatively, you may prefer to contact the distributor from which you purchased the product, presenting the purchase receipt or invoice.

Specifications are subject to change without notice.
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12. DECLARATION OF CONFORMITY

Manufacturer Name: Energy Sistem Soyntec S. A.

Address: Pol. Ind. Finestrat C/ Calpe esq. C/ Alicante S/N, 03509 Finestrat Alicante

Tel: 902 388 388 Fax: 902 119 034 NIF: A53107488
We declare under our own exclusive responsibility that the product:
Energy Sistem® Multimedia DVB-T Recorder Energy™ T3300
Is in compliance with the essential directives, norms and standards of the European Union 89/336/EEC (EMC Directive).

Manufacturing country: China

This symbol on the product or the instructions means that your electrical and electronic equipment should be disposed at the end of life separately from your household waste. For more information, please contact the local authority or dealer where you purchased the product.